

Morbidity and Mortality

Weekly Report

PUBLIC HEALTH SERVICE

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the NATIONAL OFFICE OF VITAL STATISTICS Worth 3-4744

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended October 1, 1960

For the week ended October 1, a total of 178 cases of poliomyelitis were reported; of these, 120 were classified as paralytic. For the preceding week, the total was 201, including 131 paralytic cases. For the week ended October 3, 1959, the total was 387 cases of which 284 were paralytic.

For the current week 21 cases, all paralytic, were reported in Maryland; 15 of these were in Baltimore City, 3 in Baltimore County, and 2 in adjoining Anne Arundel County. In Baltimore, the cases continue to be concentrated in 2 low socioeconomic areas. Most of the early cases were in the non-white population and more recently the proportion of cases in the white population has increased. Twenty isolations of type III and one of type I virus have been made. Nine paralytic cases were reported in Pennsylvania and 8 each in California, Michigan, and New York. The cases in Michigan were reported to be scattered. The number of cases in New York and California is less than reported for the previous week. Seventeen cases unspecified as to paralytic status were reported in Ken-

tucky; some concentration of cases has been noted in two rural counties near Taylor County where a number of cases had been reported earlier.

Two deaths were reported in California and 1 in Minnesota.

The Mississippi Morbidity Report for the week ended September 23 states that 24 of the 28 cases of poliomyelitis reported so far this year had onset in 1960. All of the cases were paralytic. Three of them were designated as bulbar and 5 were fatal. Fourteen of the cases were in persons who had not received any vaccine; 3 persons had received one dose and 7 had had 3 or more doses. Seven of the 14 unvaccinated victims were children of preschool age. The laboratory studies completed so far indicate activity of poliovirus type 1.

Through the first 9 months of 1960, cases of poliomyelitis have been reported in all States except Delaware, District of Columbia, Nevada, and New Hampshire.

Continued on page 2

Table 1. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports)

Disease (Seventh Revision of International Lists, 1955)	39th Week			Cumulative						Approximate seasonal low point
	Ended Oct. 1, 1960 ¹	Ended Oct. 3, 1959	Median 1955-59	First 39 weeks			Since seasonal low week			
				1960 ¹	1959	Median 1955-59	1959-60 ¹	1958-59	Median 1954-55 to 1958-59	
Anthrax-----062	-	-	-	15	12	15	(2)	(2)	(2)	(2)
Botulism-----049.1	-	-	-	10	13	6	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	8	9	24	597	571	738	(2)	(2)	(2)	(2)
Diphtheria-----055	20	24	36	489	577	731	160	180	212	July 1
Encephalitis, infectious-----082	52	76	70	1,437	1,597	1,570	824	1,019	967	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	816	420	323	28,626	16,731	14,857	3,123	1,608	1,137	Sept. 1
Malaria-----110-117	2	2	4	54	63	125	(2)	(2)	(2)	(2)
Measles-----085	739	861	861	402,755	366,890	521,069	2,997	3,575	3,598	Sept. 1
Meningitis, aseptic-----340 pt.	138	---	---	2,183	---	---	---	---	---	---
Meningococcal infections-----057	30	50	44	1,660	1,729	1,983	125	150	150	Sept. 1
Poliomyelitis-----060	178	387	387	2,303	6,332	6,332	2,086	6,039	6,039	Apr. 1
Paralytic-----080.0,080.1	120	284	234	1,553	4,050	4,050	1,400	3,842	3,842	Apr. 1
Nonparalytic-----080.2	31	77	122	508	1,747	2,549	471	1,699	2,385	Apr. 1
Unspecified-----080.3	27	26	58	242	535	807	215	498	718	Apr. 1
Psittacosis-----096.2	3	3	3	76	86	203	(2)	(2)	(2)	(2)
Rabies in man-----094	-	-	-	3	4	4	(2)	(2)	(2)	(2)
Streptococcal sore throat, including scarlet fever-----050,051	4,214	---	---	238,043	---	---	---	---	---	---
Typhoid fever-----040	27	39	39	618	631	1,024	491	504	763	Apr. 1
Typhus fever, endemic-----101	-	2	2	53	37	83	48	31	75	Apr. 1
Rabies in animals-----	35	87	73	2,766	2,946	3,634	3,815	3,852	4,440	Oct. 1

¹Data exclude reports from Florida and Idaho for the current week.

²Data show no pronounced seasonal change in incidence.

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At the end of the third quarter (39 weeks) of 1960 only infectious hepatitis, measles, and endemic typhus fever are being reported in substantially larger numbers than during the first 39 weeks of 1959. Cumulative totals for infectious hepatitis, by State, appear in table 2. Close to one-third of all the cases of measles have been reported in States in the East North Central Geographic Division; other divisions with larger figures this year than for 1959 are the New England and the 2 South Central Divisions. Texas has reported about 80 percent of the cases of endemic typhus fever.

EPIDEMIOLOGICAL REPORTS

Tularemia

The Washington State Department of Health reported 2 cases of tularemia. In the first case a small "bite" on the individual's left thigh developed into an ulcerated lesion followed by inguinal adenitis, fever, and malaise. Agglutination tests performed 6 weeks after onset of symptoms revealed a titer of 1:320. The patient had been visiting earlier in a Midwestern State. The second case developed in a person who had been hunting during the summer in a neighboring State. The first sign of infection was an ill-defined fever. Later pulmonic symptoms developed. At no time were there skin or lymph node manifestations. The individual denied animal contact. A rise in agglutination titers from 1:80 to 1:320 occurred between the first and third weeks of illness.

Trichinosis

The August Monthly Communicable Disease Report from Washington State summarizes the findings on 604 serum specimens, submitted to the State laboratory for determination of antistreptolysin O titers, subjected to the Suessenguth-Kline Slide flocculation test for trichinosis. Seven percent of the 604 specimens were found to be positive for trichinosis. By 10-year age groups the highest rate was 17 percent for specimens from persons in the 30-39 age group. For children under 10 years of age, only 1 of 143 specimens was positive; in the age groups 10-19 and 20-29 the infection rate was about 5.7 percent, and about 10 percent for the age groups 40-49 and 50-59 years. Only 10 specimens from persons age 60-69 years were examined and all were negative. For 152 persons of unknown age, 9.9 percent of the specimens were positive. For adult persons the proportion of positive reactions averaged about 10 percent.

Paratyphoid fever

Dr. Marguerite Dunham, Maine District Health Officer, and Mr. Earl Tibbetts, Sanitary Engineer, reported a case of paratyphoid fever in an 18-year-old youth employed during the summer at a frozen french-fried potato processing plant. A blood specimen was positive for Salmonella paratyphi B, phage type Beccles. The youth drank stream water from a pump at the plant rather than go some distance inside to get municipal water. A known carrier of S. paratyphi B, phage type Beccles, lives 200 yards upstream from the plant. The septic tank from her home, located near the stream, was found to be faulty. The stream water is used in the plant for washing potatoes and for floating them along during the processing. Some cross connections with the municipal supply at the plant had been noted during an inspection made about the time of the youth's illness. During a later inspection it was found that the cross connections had been removed and the whole plant's water system was being overhauled.

Noxious food poisoning

Dr. Benjamin Samuel and Leon Rothbaler, Los Angeles County Health Department, reported that 7 persons became ill after eating commercially smoked albacore. Marked flushing of the face and headache began about a half-hour after eating the fish. These symptoms were followed within 3 or 4 hours by diarrhea. The symptoms lasted about 8 hours.

Staphylococcal food poisoning

Dr. Burton L. Zinnamon, Health Officer, and Mr. Lester N. Bennett, Director of Sanitation, Sonoma County (California) Health Department, supplied information on 2 outbreaks of food poisoning. One report stated that 55 persons became ill from 3 to 6 hours after eating chicken salad sandwiches. The symptoms were limited to vomiting and diarrhea or just diarrhea. Samples of the chicken salad and stool specimens from 7 individuals were positive for staphylococci. Nose and throat swabs from 3 foodhandlers yielded one positive culture. After cooking, the chicken used in the salad was permitted to remain in a pantry for 16 hours without refrigeration. The chicken salad was prepared about 2 hours before serving and then refrigerated.

The other report stated that 3 of a party of 6 persons became ill about 6 hours after eating in a restaurant. Three of the individuals ate canned ham, one ate chicken, another ate veal scallopini and the other person ordered ham but did not eat it. The three who ate ham became ill. About 150 persons ate in the restaurant and it was estimated that from 20 to 30 persons ate ham. Samples of the ham yielded coagulase-positive staphylococci. The chef's hands had several small cuts on them but no sign of infection was noted.

F. X. Kemp, Arnold S. Ross, and C. C. Carson, Los Angeles County Health Department, reported that 18 of 200 persons eating a club dinner suffered sudden onset of severe nausea, vomiting, and diarrhea from 2 to 8 hours after the meal. Canned ham was considered the most probable food vehicle although spaghetti sauce and potato salad were not ruled out. Coagulase-positive, beta hemolytic, gelatinase-positive, and gram-positive cocci were isolated from samples of all three foods. The ham was left unrefrigerated 20 hours before serving. The potato salad, in two 30-lb. cans, was refrigerated overnight in a home refrigerator. The spaghetti sauce was prepared 4 days before use. It was left overnight unrefrigerated then kept in a home refrigerator until used.

QUARANTINE MEASURES

Immunization Information for International Travel

Public Health Service Publication No. 334 (1960)

Changes Reported

Africa.—Congo (formerly Belgian Congo and Ruanda Urundi). Page 22. Recommended vaccinations: During the present emergency in the Congo, vaccination against plague is recommended for all persons going into the country. No official reports concerning the occurrence of any of the quarantinable diseases have been received recently. The last official reports indicated rodent plague present in Kivu and Orientale Provinces during June; also, a few fatal cases in humans were reported in the latter Province during April. Other vaccinations recommended include a recent smallpox vaccination (within 6 months), and vaccination against yellow fever, typhoid, paratyphoid fever, tetanus, poliomyelitis, and influenza. Suppressive

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 3, 1959, AND OCTOBER 1, 1960

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Poliomyelitis 080										Menin- gitis, aseptic 340 pt.	Brucel- losis (undu- lant fever) 044
	Total ¹				Paralytic 080.0,080.1				Nonparalytic			
	39th week		Cumulative, first 39 weeks		39th week		Cumulative, first 39 weeks		080.2			
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959		
UNITED STATES ² -----	178	367	2,303	6,332	120	284	1,553	4,050	31	77	138	8
NEW ENGLAND-----	7	15	192	255	5	14	151	186	2	-	6	-
Maine-----	2	4	31	32	2	4	31	32	-	-	2	-
New Hampshire-----	-	-	-	4	-	-	-	3	-	-	-	-
Vermont-----	-	-	6	2	-	-	2	2	-	-	-	-
Massachusetts-----	1	9	27	112	1	8	19	80	-	-	2	-
Rhode Island-----	3	-	99	6	2	-	76	4	1	-	2	-
Connecticut-----	1	2	29	99	-	2	23	65	1	-	-	-
MIDDLE ATLANTIC-----	27	51	320	526	20	41	233	321	6	4	21	1
New York-----	11	29	181	309	8	22	122	170	2	2	10	-
New Jersey-----	3	8	64	107	3	6	49	65	-	1	9	-
Pennsylvania-----	13	14	75	110	9	13	62	86	4	1	2	1
EAST NORTH CENTRAL-----	39	76	394	941	28	42	220	391	5	25	36	3
Ohio-----	5	12	91	215	4	9	42	93	-	2	7	-
Indiana-----	13	12	91	117	7	9	56	84	1	3	3	-
Illinois-----	6	17	117	211	5	6	79	98	1	6	8	3
Michigan-----	9	30	67	362	8	13	34	96	1	14	13	-
Wisconsin-----	6	5	28	36	4	5	9	20	2	-	5	-
WEST NORTH CENTRAL-----	13	57	136	1,275	9	38	72	676	3	17	14	1
Minnesota-----	5	20	41	180	5	15	34	142	-	5	13	-
Iowa-----	2	9	24	380	-	6	4	193	2	2	-	-
Missouri-----	2	16	26	396	2	11	17	217	-	4	-	-
North Dakota-----	1	1	10	12	-	-	3	6	-	1	-	-
South Dakota-----	-	-	4	14	-	-	1	1	-	-	-	-
Nebraska-----	1	6	13	121	1	3	8	64	-	3	-	-
Kansas-----	2	5	18	172	1	3	5	53	1	2	1	1
SOUTH ATLANTIC ² -----	36	53	380	944	31	40	276	728	4	9	16	-
Delaware-----	-	-	-	7	-	-	-	7	-	-	-	-
Maryland-----	21	3	72	23	21	3	66	22	-	-	-	-
District of Columbia-----	-	-	-	6	-	-	-	5	-	-	-	-
Virginia-----	3	6	19	221	3	6	17	184	-	-	2	-
West Virginia-----	2	6	34	139	1	6	26	109	-	-	14	-
North Carolina-----	2	19	72	192	2	14	44	164	-	5	-	-
South Carolina-----	7	5	111	68	3	2	76	35	4	-	-	-
Georgia-----	1	12	16	128	1	8	14	97	-	4	-	-
Florida-----	---	2	² 50	160	---	1	² 33	105	---	---	---	---
EAST SOUTH CENTRAL-----	20	58	167	682	3	51	71	514	-	5	9	-
Kentucky-----	17	20	94	70	-	18	5	62	-	2	7	-
Tennessee-----	1	34	30	297	1	29	23	219	-	3	-	-
Alabama-----	1	3	14	220	1	3	14	184	-	-	-	-
Mississippi-----	1	1	29	95	1	1	29	49	-	-	2	-
WEST SOUTH CENTRAL-----	15	32	228	961	10	18	137	635	4	13	5	1
Arkansas-----	2	10	26	249	2	7	15	199	-	3	1	-
Louisiana-----	-	7	44	116	-	4	29	85	-	3	-	-
Oklahoma-----	2	6	14	135	1	5	9	77	-	-	-	-
Texas-----	11	9	144	461	7	2	84	274	4	7	4	1
MOUNTAIN ² -----	5	4	67	156	5	2	33	89	-	1	1	-
Montana-----	2	-	16	7	2	-	12	2	-	-	-	-
Idaho-----	---	-	² 5	5	---	-	² 1	-	---	---	---	---
Wyoming-----	-	-	18	2	-	-	-	1	-	-	-	-
Colorado-----	2	1	13	20	2	1	12	14	-	-	1	-
New Mexico-----	1	1	7	37	1	1	3	22	-	-	-	-
Arizona-----	-	1	4	72	-	-	4	45	-	-	-	-
Utah-----	-	-	4	8	-	-	1	2	-	-	-	-
Nevada-----	-	1	-	5	-	-	-	3	-	1	-	-
PACIFIC-----	16	41	419	592	9	38	360	510	7	3	30	2
Washington-----	-	14	25	134	-	14	25	134	-	-	11	-
Oregon-----	3	10	31	122	1	8	17	95	2	2	1	-
California-----	13	17	354	323	8	16	309	273	5	1	18	2
Alaska-----	-	-	2	13	-	-	2	8	-	-	-	-
Hawaii-----	-	-	7	(5)	-	-	7	(5)	-	-	-	-
Puerto Rico-----	5	1	448	4	5	-	443	3	-	1	-	-

¹Includes cases not specified by type, category number 080.3.

²Data exclude reports from Florida and Idaho for the current week.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 3, 1959, AND OCTOBER 1, 1960—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092, N998.5 pt.				Measles	
	39th week		Cumulative, first 39 weeks		082		39th week		Cumulative, first 39 weeks		085	
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959
UNITED STATES ² -----	20	24	489	577	52	76	816	420	28,626	16,731	739	861
NEW ENGLAND-----	-	-	10	5	-	4	27	18	859	539	94	28
Maine-----	-	-	2	-	-	-	1	1	51	85	14	5
New Hampshire-----	-	-	-	-	-	-	1	-	26	15	2	-
Vermont-----	-	-	-	-	-	-	-	-	12	23	21	-
Massachusetts-----	-	-	7	5	-	-	17	11	431	254	43	16
Rhode Island-----	-	-	1	-	-	4	5	4	167	55	5	-
Connecticut-----	-	-	-	-	-	-	3	2	172	107	9	7
MIDDLE ATLANTIC-----	-	1	13	46	9	17	125	53	3,421	2,495	89	66
New York-----	-	1	3	24	5	5	73	27	1,858	1,471	42	31
New Jersey-----	-	-	2	9	3	5	9	6	231	272	38	4
Pennsylvania-----	-	-	8	13	1	7	43	20	1,332	752	9	31
EAST NORTH CENTRAL-----	2	1	38	27	7	14	128	47	5,170	2,661	162	154
Ohio-----	1	1	16	9	5	5	55	13	1,769	786	23	19
Indiana-----	-	-	5	4	-	6	12	2	580	244	36	22
Illinois-----	1	-	6	9	1	3	27	12	1,088	576	23	25
Michigan-----	-	-	9	3	1	-	27	15	1,547	892	37	31
Wisconsin-----	-	-	2	2	-	-	7	5	186	163	43	57
WEST NORTH CENTRAL-----	1	-	26	43	3	7	53	30	2,002	1,328	19	60
Minnesota-----	1	-	8	18	-	-	18	2	248	324	1	18
Iowa-----	-	-	7	3	-	-	2	2	334	120	9	6
Missouri-----	-	-	2	5	2	-	18	7	727	363	1	1
North Dakota-----	-	-	1	2	1	-	3	9	144	263	8	34
South Dakota-----	-	-	5	3	-	-	-	4	129	45	-	-
Nebraska-----	-	-	1	12	-	-	4	2	211	64	-	1
Kansas-----	-	-	2	-	-	7	8	4	209	149	(*)	(*)
SOUTH ATLANTIC ² -----	8	14	148	164	5	7	55	31	3,308	1,475	41	40
Delaware-----	-	-	-	-	-	-	1	5	201	89	4	4
Maryland-----	-	-	1	7	2	6	6	-	342	327	3	14
District of Columbia-----	-	-	-	-	-	-	2	-	42	15	1	1
Virginia-----	3	2	21	12	-	-	12	12	646	355	11	7
West Virginia-----	-	-	4	2	2	-	11	3	622	248	15	10
North Carolina-----	1	1	8	16	1	-	16	1	297	87	2	3
South Carolina-----	2	3	45	22	-	-	1	1	52	35	5	-
Georgia-----	2	-	24	50	-	1	6	-	220	110	-	-
Florida-----	-	8	² 45	55	---	-	---	9	² 886	209	---	1
EAST SOUTH CENTRAL-----	3	5	50	68	-	2	112	46	4,104	1,535	120	69
Kentucky-----	1	-	2	9	-	-	33	15	1,505	716	73	16
Tennessee-----	-	-	7	6	-	2	34	6	1,331	356	46	36
Alabama-----	1	1	23	16	-	-	27	17	890	328	-	12
Mississippi-----	1	4	18	37	-	-	18	8	378	135	1	5
WEST SOUTH CENTRAL-----	6	2	168	193	15	12	46	47	2,281	1,345	53	156
Arkansas-----	1	-	12	34	-	5	4	6	119	72	1	1
Louisiana-----	1	1	34	50	-	-	9	-	127	101	-	-
Oklahoma-----	-	-	16	2	1	-	5	7	285	185	6	-
Texas-----	4	1	106	107	14	7	28	34	1,750	987	46	155
MOUNTAIN ² -----	-	-	35	18	-	1	47	49	2,288	2,230	33	131
Montana-----	-	-	3	-	-	-	5	3	108	203	-	12
Idaho-----	-	-	² 11	-	---	-	---	9	² 262	263	---	24
Wyoming-----	-	-	5	-	-	-	-	1	23	49	2	1
Colorado-----	-	-	3	7	-	-	16	10	830	684	5	10
New Mexico-----	-	-	4	8	-	-	4	10	274	420	-	15
Arizona-----	-	-	3	2	-	-	20	10	516	438	19	6
Utah-----	-	-	6	-	-	1	-	6	198	152	7	63
Nevada-----	-	-	-	1	-	-	2	-	77	21	-	-
PACIFIC-----	-	1	1	13	13	12	223	99	5,193	3,123	128	157
Washington-----	-	-	-	-	2	1	30	28	593	422	24	43
Oregon-----	-	-	-	3	1	-	43	20	856	636	36	28
California-----	-	1	-	5	10	11	140	51	3,507	2,002	53	52
Alaska-----	-	-	1	5	-	-	9	-	162	63	15	34
Hawaii-----	-	-	-	(2)	-	-	1	(6)	75	(40)	-	(17)
Puerto Rico-----	2	-	112	23	-	-	9	1	607	227	14	4

²Data exclude reports from Florida and Idaho for the current week.

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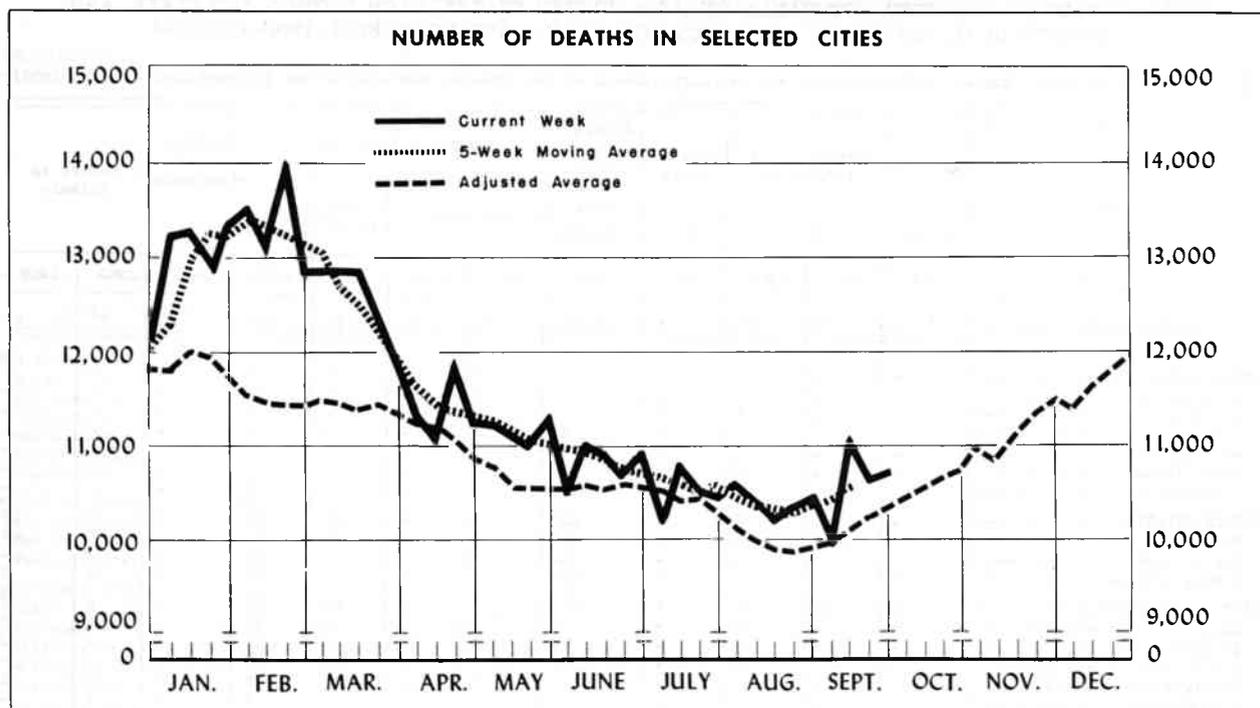
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 3, 1959, AND OCTOBER 1, 1960—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria	Meningococcal infections		Psittacosis	Streptococcal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
	110-117	057		096.2	050,051	39th week		Cumulative, first 39 weeks		101	1960	1959
	1960	1960	1959	1960	1960	1960	1959	1960	1959	1960	1960	1959
UNITED STATES ² -----	2	30	50	3	4,214	27	39	618	631	-	35	87
NEW ENGLAND-----	-	-	4	-	92	-	-	8	14	-	-	-
Maine-----	-	-	1	-	8	-	-	2	2	-	-	-
New Hampshire-----	-	-	1	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	4	-	-	-	-	-	-	-
Massachusetts-----	-	-	2	-	27	-	-	3	5	-	-	-
Rhode Island-----	-	-	-	-	6	-	-	-	2	-	-	-
Connecticut-----	-	-	-	-	47	-	-	3	5	-	-	-
MIDDLE ATLANTIC-----	-	2	6	1	88	1	4	43	60	-	7	29
New York-----	-	1	6	-	45	1	4	29	28	-	7	26
New Jersey-----	-	1	-	-	20	-	-	1	10	-	-	-
Pennsylvania-----	-	-	-	1	23	-	-	13	22	-	-	3
EAST NORTH CENTRAL-----	-	11	13	1	237	6	2	82	80	-	3	7
Ohio-----	-	-	2	-	33	2	1	22	42	-	-	3
Indiana-----	-	-	-	-	88	-	-	22	11	-	-	2
Illinois-----	-	1	1	-	16	1	1	21	16	-	-	-
Michigan-----	-	10	9	-	51	3	-	12	8	-	-	2
Wisconsin-----	-	-	1	1	49	-	-	5	3	-	3	-
WEST NORTH CENTRAL-----	-	4	2	-	138	-	1	36	41	-	13	20
Minnesota-----	-	1	-	-	4	-	-	1	1	-	1	3
Iowa-----	-	-	2	-	30	-	-	6	7	-	6	3
Missouri-----	-	-	-	-	2	-	-	21	14	-	2	2
North Dakota-----	-	-	-	-	57	-	1	1	5	-	-	2
South Dakota-----	-	-	-	-	1	-	-	3	3	-	3	8
Nebraska-----	-	3	-	-	-	-	-	2	4	-	1	-
Kansas-----	-	-	-	-	44	-	-	2	7	-	-	2
SOUTH ATLANTIC ² -----	-	3	3	-	315	3	11	94	115	-	4	10
Delaware-----	-	-	-	-	-	-	-	1	-	-	-	-
Maryland-----	-	-	-	-	7	1	1	5	5	-	-	-
District of Columbia-----	-	-	-	-	6	-	-	7	4	-	-	-
Virginia-----	-	-	-	-	104	2	6	22	23	-	3	5
West Virginia-----	-	-	-	-	131	-	-	9	11	-	1	3
North Carolina-----	-	1	1	-	22	-	-	8	11	-	-	-
South Carolina-----	-	-	1	-	43	-	1	11	11	-	-	-
Georgia-----	-	2	-	-	2	-	2	21	26	-	-	2
Florida-----	-	-	1	-	-	-	1	² 10	24	-	-	-
EAST SOUTH CENTRAL-----	-	1	3	-	872	8	6	90	88	-	2	8
Kentucky-----	-	-	1	-	59	4	1	19	16	-	-	1
Tennessee-----	-	1	-	-	803	2	2	50	45	-	1	1
Alabama-----	-	-	2	-	8	2	3	16	11	-	1	6
Mississippi-----	-	-	-	-	2	-	-	5	16	-	-	-
WEST SOUTH CENTRAL-----	1	3	2	-	770	5	9	176	130	-	4	10
Arkansas-----	-	1	-	-	-	1	2	40	26	-	-	1
Louisiana-----	-	-	1	-	1	1	2	55	16	-	2	1
Oklahoma-----	-	-	-	-	-	-	1	12	16	-	-	-
Texas-----	1	2	1	-	769	3	4	69	72	-	2	8
MOUNTAIN ² -----	-	1	12	-	962	3	3	33	33	-	1	-
Montana-----	-	-	1	-	20	-	-	9	2	-	-	-
Idaho-----	-	-	-	-	-	-	-	² 2	4	-	-	-
Wyoming-----	-	-	11	-	11	-	2	4	5	-	-	-
Colorado-----	-	1	-	-	111	1	-	1	4	-	-	-
New Mexico-----	-	-	-	-	248	-	-	8	12	-	1	-
Arizona-----	-	-	-	-	127	2	1	8	6	-	-	-
Utah-----	-	-	-	-	142	-	-	1	-	-	-	-
Nevada-----	-	-	-	-	3	-	-	-	-	-	-	-
PACIFIC-----	1	5	5	1	740	1	3	56	70	-	1	3
Washington-----	-	1	-	-	162	-	-	5	2	-	-	-
Oregon-----	-	1	1	1	38	-	-	8	7	-	-	-
California-----	1	3	2	-	513	1	3	42	57	-	1	3
Alaska-----	-	-	2	-	27	-	-	1	4	-	-	-
Hawaii-----	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico-----	-	-	-	-	-	1	-	18	14	-	1	3

²Data exclude reports from Florida and Idaho for the current week.

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The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. The adjusted average is computed as follows: From the total deaths reported each week for the years 1955-59, 3 central figures are selected by eliminating the highest and lowest figures reported for that week. A 5-week moving average of the arithmetic means of the 3 central figures is then computed. The adjusted average shown in the chart is this moving average increased by 4.0 percent to allow for estimated population growth in the cities and surrounding areas.

The use of the adjusted average is based on the assumption that the crude death rate and changes in population will remain at the level of recent years. No allowance has been made for increased use of city hospital facilities.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	39th week ended Oct. 1, 1960	38th week ended Sept. 24, 1960	Adjusted average, 39th week 1955-59	Percent change, adjusted average to current week ¹	Cumulative, first 39 weeks		
					1960	1959	Percent change
TOTAL, 117 REPORTING CITIES-----	² 10,676	10,653	10,308	+3.6	² 449,291	439,069	+2.3
New England----- (14 cities)	721	683	679	+6.2	28,077	27,554	+1.9
Middle Atlantic----- (20 cities)	3,111	2,876	3,044	+2.2	124,394	126,194	-1.4
East North Central----- (21 cities)	2,295	2,262	2,362	-2.8	97,243	95,298	+2.0
West North Central----- (9 cities)	675	673	740	-8.8	31,240	30,242	+3.3
South Atlantic----- (11 cities)	866	899	876	-1.1	38,547	37,387	+3.1
East South Central----- (8 cities)	² 489	536	492	-0.6	² 20,451	19,930	+2.6
West South Central----- (13 cities)	922	973	873	+5.6	39,431	36,560	+7.9
Mountain----- (8 cities)	319	299	276	+15.6	14,066	12,148	+15.8
Pacific----- (13 cities)	1,278	1,452	1,345	-5.0	55,842	53,756	+3.9

¹Adjusted average used as base.

²Data includes estimate for missing city.

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Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	39th week ended Oct. 1, 1960	38th week ended Sept. 24, 1960	Cumulative, first 39 weeks		Area	39th week ended Oct. 1, 1960	38th week ended Sept. 24, 1960	Cumulative, first 39 weeks	
			1960	1959				1960	1959
NEW ENGLAND:					WEST NORTH CENTRAL--Con.:				
Boston, Mass.-----	259	213	9,757	9,410	St. Louis, Mo.-----	199	196	9,643	9,165
Bridgeport, Conn.-----	29	50	1,556	1,556	St. Paul, Minn.-----	44	47	2,709	2,528
Cambridge, Mass.-----	24	36	1,216	1,092	Wichita, Kans.-----	46	30	1,781	1,868
Fall River, Mass.-----	30	25	1,106	1,091	SOUTH ATLANTIC:				
Hartford, Conn.-----	55	53	1,889	1,904	Atlanta, Ga.-----	102	115	4,615	4,311
Lowell, Mass.-----	22	20	931	919	Baltimore, Md.-----	235	236	9,817	9,431
Lynn, Mass.-----	25	21	941	903	Charlotte, N.C.-----	35	35	1,524	1,419
New Bedford, Mass.-----	28	30	963	937	Jacksonville, Fla.-----	47	52	2,323	2,228
New Haven, Conn.-----	49	35	1,752	1,754	Miami, Fla.-----	54	69	2,836	2,711
Providence, R.I.-----	55	69	2,480	2,505	Norfolk, Va.-----	28	39	1,561	1,536
Somerville, Mass.-----	12	8	516	503	Richmond, Va.-----	62	78	3,034	3,049
Springfield, Mass.-----	41	36	1,750	1,735	Savannah, Ga.-----	23	32	1,321	1,285
Waterbury, Conn.-----	27	25	1,067	1,082	St. Petersburg, Fla.-----	(61)	(68)	(2,776)	(2,489)
Worcester, Mass.-----	65	62	2,112	2,163	Tampa, Fla.-----	48	59	2,544	2,422
MIDDLE ATLANTIC:					EAST SOUTH CENTRAL:				
Albany, N.Y.-----	36	43	1,693	2,028	Birmingham, Ala.-----	180	81	23,310	3,191
Allentown, Pa.-----	31	32	1,347	1,343	Chattanooga, Tenn.-----	48	43	1,839	1,773
Buffalo, N.Y.-----	103	123	5,670	5,660	Knoxville, Tenn.-----	25	21	1,093	1,127
Camden, N.J.-----	28	49	1,646	1,622	Louisville, Ky.-----	121	135	4,499	4,411
Elizabeth, N.J.-----	22	25	1,142	1,151	Memphis, Tenn.-----	91	109	4,381	4,382
Erie, Pa.-----	30	39	1,509	1,419	Mobile, Ala.-----	40	54	1,620	1,520
Jersey City, N.J.-----	84	90	2,785	2,885	Montgomery, Ala.-----	32	39	1,357	1,264
Newark, N.J.-----	110	100	3,789	3,894	Nashville, Tenn.-----	52	54	2,352	2,262
New York City, N.Y.-----	1,664	1,434	63,241	64,625	WEST SOUTH CENTRAL:				
Paterson, N.J.-----	38	34	1,493	1,513	Austin, Tex.-----	21	44	1,351	1,245
Philadelphia, Pa.-----	491	443	19,102	19,284	Baton Rouge, La.-----	41	29	1,131	1,066
Pittsburgh, Pa.-----	171	163	7,528	7,271	Corpus Christi, Tex.-----	16	18	923	812
Reading, Pa.-----	27	23	925	874	Dallas, Tex.-----	107	118	4,864	4,601
Rochester, N.Y.-----	83	91	3,887	3,783	El Paso, Tex.-----	40	40	1,501	1,426
Schenectady, N.Y.-----	18	21	927	967	Fort Worth, Tex.-----	62	73	2,613	2,456
Scranton, Pa.-----	44	29	1,461	1,419	Houston, Tex.-----	198	175	6,643	6,051
Syracuse, N.Y.-----	46	63	2,390	2,462	Little Rock, Ark.-----	50	64	2,255	2,118
Trenton, N.J.-----	35	36	1,607	1,679	New Orleans, La.-----	151	159	7,019	6,518
Utica, N.Y.-----	22	15	1,057	1,088	Oklahoma City, Okla.-----	54	80	2,910	2,662
Yonkers, N.Y.-----	28	23	1,195	1,227	San Antonio, Tex.-----	88	77	3,944	3,726
EAST NORTH CENTRAL:					MOUNTAIN:				
Akron, Ohio-----	52	55	2,221	2,292	Albuquerque, N. Mex.-----	24	22	1,200	1,167
Canton, Ohio-----	22	40	1,344	1,303	Colorado Springs, Colo.-----	23	15	652	604
Chicago, Ill.-----	681	691	30,020	29,415	Denver, Colo.-----	121	103	4,636	4,479
Cincinnati, Ohio-----	175	131	6,141	6,179	Ogden, Utah-----	14	12	644	603
Cleveland, Ohio-----	164	181	8,171	8,156	Phoenix, Ariz.-----	56	53	3,003	1,974
Columbus, Ohio-----	118	112	4,601	4,565	Pueblo, Colo.-----	14	17	644	538
Dayton, Ohio-----	84	72	2,916	2,615	Salt Lake City, Utah-----	38	44	1,896	1,878
Detroit, Mich.-----	290	278	13,255	12,756	Tucson, Ariz.-----	29	33	1,391	905
Evansville, Ind.-----	35	46	1,416	1,436	PACIFIC:				
Flint, Mich.-----	33	50	1,564	1,564	Berkeley, Calif.-----	20	14	659	662
Fort Wayne, Ind.-----	24	38	1,436	1,407	Fresno, Calif.-----	(20)	(27)	(1,719)	(1,553)
Gary, Ind.-----	26	28	1,222	1,152	Glendale, Calif.-----	(32)	(40)	(1,511)	(1,407)
Grand Rapids, Mich.-----	45	26	1,617	1,637	Honolulu, Hawaii-----	29	45	1,610	1,483
Indianapolis, Ind.-----	149	138	5,722	5,412	Long Beach, Calif.-----	35	53	2,127	2,150
Madison, Wis.-----	24	23	1,231	1,150	Los Angeles, Calif.-----	438	490	19,689	18,741
Milwaukee, Wis.-----	132	125	4,890	4,960	Oakland, Calif.-----	93	129	3,759	3,535
Peoria, Ill.-----	37	30	1,187	1,124	Pasadena, Calif.-----	28	37	1,338	1,218
Rockford, Ill.-----	22	25	1,113	1,079	Portland, Oreg.-----	92	111	4,305	4,286
South Bend, Ind.-----	30	33	1,122	1,076	Sacramento, Calif.-----	37	57	2,254	2,141
Toledo, Ohio-----	91	93	3,897	3,923	San Diego, Calif.-----	76	75	3,497	3,181
Youngstown, Ohio-----	61	47	2,157	2,097	San Francisco, Calif.-----	220	204	7,759	7,579
WEST NORTH CENTRAL:					SAN FRANCISCO, CALIF.-----				
Des Moines, Iowa-----	48	46	2,137	2,093	San Jose, Calif.-----	(37)	(28)	(1,356)	(986)
Duluth, Minn.-----	29	24	989	963	Seattle, Wash.-----	118	140	5,385	5,254
Kansas City, Kans.-----	41	39	1,368	1,402	Spokane, Wash.-----	56	50	1,850	1,936
Kansas City, Mo.-----	81	107	4,890	4,667	Tacoma, Wash.-----	36	47	1,610	1,590
Lincoln, Nebr.-----	(27)	(23)	(1,017)	(1,003)					
Minneapolis, Minn.-----	117	109	4,848	4,795					
Omaha, Nebr.-----	70	75	2,875	2,761					

¹Estimated.

²Includes estimate for current week.

QUARANTINE MEASURES—Continued

therapy for malaria is also recommended. All other information remains the same.

Africa.—Gambia. Page 24. Yellow fever vaccination is required of all persons leaving for receptive areas, 1 year of age and over. All other information remains the same.

Asia.—Laos. Page 46. Delete previous information and insert: Smallpox vaccination is required of all arrivals from infected areas, and from Burma, Cambodia, Hong Kong, India, Malaya, Federation of Pakistan, South Viet-Nam, Taiwan, (China), and Thailand. Yellow fever vaccination is required of all arrivals from infected areas, 1 year of age and over.

Oceania.—Samoa (American). Page 60. Delete previous information and insert: Smallpox vaccination is required of all arrivals. Cholera vaccination is required of all arrivals from infected areas, 6 months of age and over. Yellow fever vaccination is required of all arrivals from infected areas, 6 months of age and over. No requirements for persons arriving direct from the United States, its territories or possessions, and countries mentioned in Section 4.

America.—Alaska. Page 62. The telephone number and clinic hours of the Yellow Fever Vaccination Center located at the Health Center, Greater Anchorage Health District, 217 E Street, Anchorage, Alaska, should be corrected to read: BR 6-3371, Monday-Friday, 9 a.m. to 12 noon, and 1-4 p.m. All other information remains the same.

Idaho, Boise. Page 64. The clinic hours and fee of the Yellow Fever Vaccination Center located at the City-County Health Department, 209 Sherwood Street, should be corrected to read: By appointment only. Fee—Yes. All other information remains the same.

Indiana, Elkhart. Page 65. The address of the Yellow Fever Vaccination Center located at the Elkhart County Health Unit should be corrected to read: 313 North Second Street. All other information remains the same.

Indiana, Indianapolis. Page 65. The address of the Yellow Fever Vaccination Center located at the Indiana University Medical Center, 1040 West Michigan Street, should be corrected to read: MEIrose 5-8431, Extensions 2511 or 2512. All other information remains the same.

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for Alaska for 1959 and 1960; data for Hawaii are included for 1960 only. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

EXPLANATION OF SYMBOLS USED IN TABLES

Data not available-----	---
Quantity zero-----	-
Percent more than 0 but less than 0.05-----	0.0
Disease stated not notifiable-----	*
Figures within parentheses not included in totals--	()

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